SCIENTIFIC ADVISORY COMMITTEE
KRISHI VIGYAN KENDRA
NAU, WAGHAI (DANGS), GUJARAT

Sr. No.	Name	Designation	Committee status
1.	Dr. Z. P. Patel	Hon'ble Vice Chancellor, NAU, Navsari	Chairman
2.	Dr. Subrata Kumar Roy	Director, ICAR-ATARI, Pune	Member
3.	Dr. H. R. Sharma	Director of Extension Education, NAU, Navsari	Member
4.	Dr. T. R. Ahlawat	Director of Research, NAU, Navsari	Member
5.	Dr. G. D. Vadodariya	I/c. Associate Research Scientist, Hill Millet Research Station, NAU, Waghai, Dangs	Member
6.	Dr. A. P. Patel	I/c. Principal, College of Agriculture, NAU, Waghai, Dangs	Member
7.	Dr. C. G. Intwala	Professor & Head, Department of Vegetable Science, ACH, NAU, Navsari	Member
8.	Mr. Sanjay Bhagariya	Project Director, ATMA, Ahwa, Dangs	Member
9.	Mr. N. M. Kendre	District Development Manager, NABARD, Dang/Navsari	Member
10.	Mr. B. J. Patel	District Agriculture Officer, Ahwa, Dangs	Member
11.	Mr. C. G. Patel	Assistant Director of Horticulture, Ahwa, Dangs	Member
12.	Mrs. Anjali Gamit	Area manager, AKRSPI, Ahwa, Dangs	Member
13.	Dr. Dharmesh Chaudhari	District Animal Husbandry Officer, Ahwa, Dangs	Member
14.	Mr. Dhanshukhbhai Patel	Manager, State Bank of India, Waghai, Dangs	Member
15.	Mr. Dilip K. Rabari	Range Forest Officer, Waghai, Dangs	Member
16.	Mr. Govindbhai Machhi	(Progressive Farmer), Uga-Chichpada, Waghai, Dangs	Member
17.	Smt. Nandaben Nileshbhai Patel	(Progressive Women Farmer), Sati, Ahwa, Dangs	Member
18.	Shri Kashirambhai G. Birari	(Agri Enterpreneur), Jamlapada, Ta.-Waghai, Dangs	Member
19.	Mrs. Sushilaben M. Sharma	(President of Sakhi Mandal), Waghai, Dang	Member
20.	Smt. Sunitaben V. Chaudhari	(Chair person of Women SHG), Waghai, Dangs	Member

21.	Dr. L.V.Ghetiya	Senior Scientist & Head, KVK, NAU, Waghai, Dangs	Member Secretary
22.	Dr. Mahaveer Choudhari	Principal, Agril. Polytechnic, NAU, Waghai, Dangs	Invitee
23.	Mr. Pahujyabhai Mahadybhai Bhoye	Chairman, Khapri Co. Mandli, Waghai, Dangs	Invitee
24.	Mr. Maganbhai K. Gaykawad	(Progressive Farmer), Chichond, Waghai, Dangs	Invitee
25.	Mr. Narendra Revat	Chairman, Ambedkar Sevadham Trust, Ahwa, Dangs	Invitee
26.	Mr. Surendrbhai D. Bhoye	Chairman, APMC Market Yard, Waghai, Dangs	Invitee
27.	Smt. Nitaben B. Patel	Mahalkshmi Sakhi Mandal, Waghai, Dangs	Invitee
28.	Dr. Mihir A. Dave	Assistant Director Gramseva Trust, Kharel	Invitee
29.	Mr. Bendubhai Mahadubhai Gaikwad	(Progressive Farmer), Nadagkhadi, Ta.- Waghai, Dangs	Invitee
30.	Mrs. Bhartiben Chintubhai Patel,	(Chair person of Women SHG), Waghai, Dangs	Invitee
31.	Mr. Renish Bharuchwala	Reliance Foundation Information Services. Anand-Gujarat	Invitee
32.	Mr. Maheshbhai Aavjubhai Gaykwad	Fild Assistant Yojak, Dodipada, Waghai	Invitee
33.	Mr. Sunulbhai Shankarbhai Chaudhari	Field Assistant Yojak, Chinchali, Ahwa	Invitee
34.	Mrs. Ranjitaben N. Patel	(Progressive Farmer), Waghai, Dangs	Invitee
35.	Mr. Sanjaybhai J. Choudhari	(Progressive Farmer), Waghai, Dangs	Invitee
36.	Mr. Kishorbhai Rahubhai Gavit	(Agri. Entrepreneur), Mokhamal, Tal.Subir, Dist.Dang	Invitee
37.	Mrs. Kalpanaben Bhoye	(Agri. Entrepreneur), Waghai, Ta.Waghai, Dist.Dang	Invitee
38.	Mr. Shravanbhai Gain	Chairmen, Lotus Fruits and Vegetable Producer Company Private Ltd.	Invitee

Note: All Scientist, Programme Assistant & farm manager of KVK is active participants as special invitees.

24.1 Approval of the minutes of 23rd Scientific Advisory Committee meeting

The action taken report on the minutes of 23rd SAC meeting held on 01-03-2024 at KVK, Waghai are as follow:

23.2.1	Conduct demonstration and training on plastic mulching in watermelon crop.	01 OFT and multiple FLDs conducted in previous years (2017-2018-2019) for dissemination of this technology.
23.2.2	Popularization of purna rakshak varieties in okra.	Demonstration was conducted with 20 beneficiaries in previous years.
23.2.3	Popularization of GNRB 1 variety in Brinjal.	OFT and training programme was conducted in 2024.
23.2.4	To make farmers aware about biochar in Dang district	Conducted one Sponsored training programmes with 28 beneficiaries.
23.2.5	Enhancing seed production of GR 17 & GR 18 variety of paddy at KVK, Waghai Farm.	The area of GR 17 increase from 0.20 ha to 0.40 ha. GR 18 increase from 0.40 ha to 0.60 ha.
23.2.6	Making a flex banner listing the Excellent technology developed by Navsari Agricultural University like Bio Pesticide, Novel, Bio Fertilizer, Navroji Seed, PHT Product, Bamboo Research Center Product, Fruit Fly Trap *etc* and displaying it on a big board at the gate of Krishi Vigyan Kendra.	The banner was prepared and it was be paste in the front of KVK and the technology of NAU is displaying in the front of KVK as a permanent structure.
23.2.7	To disseminate important topics like conservation of water, soil, environment, Soil health, importance and conservation of soil organic matter and organic carbon among the farming community through agricultural extension activities.	A total 2273 farmers benefited in16 training and 10 lectures delivered.
23.2.8	Agro-eco tourism/Agro tourism is an essential subject for the farming community to be covered in on & off campus training to create awareness among the farmers.	Training should be conducted with 30 beneficiaries.
23.2.9	Drop the OFT of Varietal assessment of Potato in the dangs district & take a new OFT on Varietal assessment of Brinjal in the Dangs district.	OFT were conducted on Brinjal with 6 beneficiaries in 2024.
23.2.10	Smt. Baliben Laljibhai Gamit, (Progressive Women Farmer), Bhenskatari, Dist.Waghai, Dang, member was replaced by Shushilaben M. Sharma, Waghai, Dang (President of Sakhi Mandal) as members.	Suggestion is incorporated

24.2: Review of work done during the period of January- 2024 to December-2024

Thrust area

Dangs is basically a forest dominated rainfed area with high rainfall. It has hilly and undulating terrain, scattered plots with negligible area under irrigation. The infrastructure facilities like road transports, marketing *etc*. are very poor. Besides, most of the population is tribal which are economically poor.

The Major thrust areas are as under:

- Increase productivity of the major field crops, fruits and vegetables by introduction of new technologies
- Increasing milk production by dissemination of latest technology
- Management of natural Resources (Soil and water conservation)
- Empowerment of tribal women for sustaining livelihood
- Popularization of suitable farming system and value addition
- Protected cultivation and high-tech agriculture
- Integrated farming system
- Farm mechanization
- Introduction of new crops like sunflower, bajra, strawberry, pineapple, tuber crops, *etc*.
- Decrease cost of cultivation by use of available resource
- Preparation of Bio-pesticide and Bio-fertilizer in home base
- Adopted mulching practices for decalcify of evaporation
- Use turmeric powder in small injury in livestock
- Feeding drumstick in milch animal
- Preparation of natural pesticide & fertilizer in home base.

A. Training achievements: (January-2024 to December-2024)

1. On campus trainings:

Discipline	No. of courses	No. of Participants		
		Male	Female	Total
Crop Production	07	163	90	253
Horticulture	18	580	124	704
Plant Protection	06	19	128	147
Animal Science	04	90	87	177
Extension Education	06	117	43	160
Total	**41**	**969**	**472**	**1441**

2. Off campus trainings:

Discipline	No. of courses	No. of Participants		
		Male	Female	Total
Crop Production	06	168	62	230
Horticulture	08	176	208	384
Plant Protection	05	121	53	174
Animal Science	05	36	188	224
Extension Education	04	110	74	184
Total	**28**	**611**	**585**	**1196**

3. Sponsored trainings (on & off campus):

Discipline	No. of Courses	No. of participants		
		Male	Female	Total
Crop Production	13	313	393	706
Horticulture	05	122	130	252
Plant Protection	09	129	374	503
Animal Science	09	188	289	477
Extension Education	09	165	229	394
Total	**45**	**917**	**1415**	**2332**

Sponsored: ATMA, FTC, DWDA, AKRSP, Sevadham Trust, Dept. of Agriculture, Horticulture, Animal Husbandry *etc.*

4. Vocational training programmes for Rural Youth:

Discipline	Period	Training title	Identified thrust area	No of participants		
				Male	Female	Total
Crop Production	25-29/02/2024	Preparation and use of Bijamrut and Ghan-Jivamrut in Summer black gram	Production of Organic input	11	16	27
Horticulture	07/10/2024 to 10/10/2024	Preparation of Jeevamrit and Ghanjeevamrit	Reduction of chemical pesticide and Fungicide, Fertilizer Intrigue the use of botanical pesticide and natural farming	24	0	24
Plant Protection	31 to 04-08-2024	Mushroom cultivation	Skill training	19	6	25
Animal Science	12-14& 16-08-2024	Backyard Poultry Farming	Income generation by imparting skill training	49	4	53
Extension Education	03-06-2024 to 07-06-2024	Value chain development, production processing technology in millet crop	Skill training	5	43	48
	08-07-2024 to 12-07-2024	Preparation of bamboo basket & other bamboo craft product	Skill training	0	32	32
	02-09-2024 to 06-09-2024	Value chain development in Natural farming	Natural Farming	0	32	32
Total		**07**		**108**	**133**	**241**

5. In Service Training

Discipline	Period	Training title	Identified thrust area	No of participants		
				Male	Female	Total
Plant Protection	27-05-2024	Organic Pesticides Preparation	Non-chemical pesticide	0	39	39
Animal Science	27-05-2024	Prevention & Control of Zoonotic Disease	Disease management	0	34	34
Extension Education	27-29/08/2024	Marketing Strategies for Members of Self-Help Groups (SHGs) in tribal areas	Marketing	0	35	35
	29-31/08/2024	Use of Integrated Farming System for Management of Natural Residues in Tribal Areas	Integrated Farming System	31	6	37
Total		**04**		**31**	**114**	**145**

Grand Total of Trainings (1 to 5)	No. of Courses	Male	Female	Total
	125	**2636**	**2719**	**5355**

B. Frontline Demonstrations:

Performance of Frontline demonstrations (*Rabi 2023*, *Kharif*, Summer-2024)

Frontline demonstration on pulse crops:

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Crop Production																		
Chickpea	ICM	New variety	GJG 3	25	5	12.40	10.45	11.61	8.64	34.38	16000	54694	38694	3.42	13800	39560	25760	2.9

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

FLDs on Other crops (*Kharif* 2024):

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Crop Production																		
Finger millet	ICM	New variety	GNN 9 (Gira)	25	5	12.80	10.75	12.04	9.89	21.74	15000	51772	36772	3.45	13000	42527	29527	3.25
Little millet	ICM	New variety	GNV 4	25	5	14.20	11.75	13.18	11.03	19.49	15000	45675	30675	3.05	13000	38605	25605	2.97
Paddy	ICM	New variety	GR 18	26	13	22.40	20.92	21.45	18.94	13.26	20000	38610	18610	1.93	25000	34092	9092	1.36
Horticultural other crops (2024)																		
Mango	ICM	New variety	Kesar	50	5	79% Survival rate												
Okra	ICM	Novel & Biofurtilizer	-	25	2.5	108	90	98.36	96.34	2.09	101560	255900	144340	2.42	108960	240850	131890	2.21
Indian bean	ICM	New variety	GNIB 22	5	0.50	38	32	36	28.00	28.51	40200	82800	42600	2.06	42500	64400	21900	1.51

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Plant Protection (2024)																		
Bittergourd	IPM	Cue lure trap	Local varieties	25	5	92	87	89.76	79.32	13.24	60000	206448	146448	3.44	59500	182436	122936	3.06
Cashewnut	IPM	*Beauveria*	Local varieties	25	5	12.2	11.5	11.78	9.40	25.80	20000	117856	77856	2.94	38500	94040	55540	2.44
Mango	IPM	Fruit fly trap	Local varieties	25	5	62	58	60.44	51.86	16.65	60000	271980	211980	4.53	58000	233370	175370	4.02
Fingermillet	IDM	*Pseudomonas*	Local varieties	25	5	13.5	11	12.26	9.69	26.91	15000	49108	34108	3.27	13000	39737.2	26737.2	3.05
Paddy	IPM	Pheromone trap	Hybrid	25	5	23	21	22.18	18.40	20.58	23000	42157.2	19157.2	1.83	22000	34975.2	12975.2	1.58

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Note: Production of only healthy fruits (Undamaged fruits) records.

FLD on Livestock (*Rabi*, Summer-2024):

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters lit/cow/day		% change in major parameter	Other parameter		Economics of demonstration* (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Dairy cow (KVK regular)																	
1.	Fodder management	Introduction of new variety of Fodder Sorghum " CSV 21 F"	20	2 ha	318 (q/ha)	276 (q/ha)	15.22	-	-	26000	79500	53500	3.05	27000	69000	42000	2.55
Dairy cow (Adaptive trial)																	
1.	Fodder management	Sorghum GFS-6	108	13.5 ha	322 (q/ha)	265 (q/ha)	21.51	-	-	26000	80500	54500	3.09	27000	66250	39250	2.45
2.	Fodder management	Sorghum CSV-21F	28	3.5 ha	310 (q/ha)	257 (q/ha)	20.62	-	-	26000	77500	51500	2.98	27000	64250	37250	2.37
3.	Nutrition management	Mineral mixture	50	50	6.3	5.4	16.67	-	-	2300	5670	3370	2.46	2200	4860	2660	2.06

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

FLD on Other Enterprise: (*Rabi*-2024):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (Kg/ha)		% change in yield	Economics of demonstration (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
Plant Protection	Mushroom production	Oyster musroom cultivation	60	60	10 kg/ 1 kg spawn	-	-	300	1600	1300	5.3

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hours/ha)		% change in major parameter	Labor reduction (Man hours/ha)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Hand weeder (Adaptive trial)	Kitchen garden, pulses	Drudgery reduction technology	50	50	Labour requirement man hour/ha	74 Hour	126 Hour	70.27	--	--	6.5 Days*	6.5 Days*	--	389 x 6.5 = 2528	--	2528

* 1day=8 hours & Lebour cost/day=389 Rs.

FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (*Rabi*, Summer-2024):

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)
						High	Low	Ave.						
Crop Production														
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseed														
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulse crops														

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)
						High	Low	Ave.						
Pigeonpea (Adaptive trial)	ICM	New variety	GT 105	25	5	14.45	12.90	13.63	10.36	31.56	20000	61335	41335	3.07
Pigeonpea (CFLD)	ICM	New variety	GT 104	50	20	15.02	12.45	13.74	10.02	37.13	23000	62368	39368	2.78
Black gram (CFLD)	ICM	New variety	GU 3	50	20	8.35	7.15	7.80	5.25	48.48	20000	64578	44578	3.23
Other crops														
Paddy (Adaptive trial)	ICM	New variety	GNR 7	50	25	22.96	21.04	21.80	19.30	12.98	20000	39258	19258	1.96
Paddy (Adaptive trial)	ICM	New variety	GNR 9	25	12	22.50	20.72	21.63	18.98	13.94	20000	58401	38401	2.92
Horticultural														
Brinajal	ICM	New variety	GNRB 1	40	0.4	36	31	33.15	30.77	7.73	54875	99450	44575	1.81
Indian bean	ICM	New variety	GNIB 22	14	1.4	39	28	34.64	26.57	30.32	41428.57	79678.57	38250	1.92
Green Gram (natural farming)	ICM	New variety	GM 6	12	1.2	4.9	5.70	5.40	5.91	-8.71	13958.33	32400	18441.67	2.32
Plant Protection														
Mango	IPM	Fruit fly trap	Local varieties	60	30	62	58	60.48	52.02	16.36	60000	266112	206112	4.43
Ext. Education														
Napier grass	Fodder management	New variety	Coimbtour 3	25	1.25	1420	1240	1330	820	62.19	55000	287000	232000	5.21
Green gram	INM	Vermicompost	Local varieties	20	1.50	9.32	8.03	8.63	6.98	23.64	20000	69040	49040	3.45

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Ongoing FLDs of KVK Regular (2024-25)

Sr. No.	Discipline	Season	Crop/ Enterprise	Variety/ Technology Input	Area (ha)	No. of Demo.
1.	Crop Production	*Kharif*, 2024-25	Pigeon pea	GT 105	5.2	26
2.		*Kharif*, 2024-25	Gram	New variety	5	25
3.	Horticulture	*Rabi*, 2024-25	Mango	Kesar	10	100
4.		*Rabi*, 2024-25	Indian been	New variety	2.5	25
5.	Plant Protection	*Rabi*, 2024-25	Bittergourd	Fruit fly trap	5	25
6.	Animal Science	*Rabi*, 2024-25	Mineral Mixture	-	-	30
Total					**27.7**	**231**

IX. Demonstrations given under other schemes (*Kharif/Rabi/Summer*,2024-25):

Sr. No.	Scheme/ Particulars of the FLD	Season	Crop	Variety/ Component/ Technology	Area/Unit	No. of Demo.
I	**Adaptive trial (Phase-2)**					
1.	Horticulture	*Rabi*, 2024-25	Mango	Kesar	10	100
2.		*Rabi*, 2024-25	Mango	Kesar	6	60
3.		*Rabi*, 2024-25	Mango	Sonpari	4	40
4.	Plant Protection	*Rabi*, 2023-24	Mushroom	Oyster Mushroom	125 Unit	125
5.	Extension Education	*Rabi*, 2023-24	Napier grass	coimbtour 3	1.25	25
Total					**21.25 ha & 125 unit**	**220**

 # Farmers Feedback on the demonstrated technologies:

Sr. No.	Discipline	Feed Back
1.	Crop Production	GR 18 (Devali kolam) varity of paddy greting more popular in Dang.
2.		GNR 9 Paddy varity geting high price in market.
3.	Horticulture	Use of Novel in okra, improve the production and quality of fruit.
4.	Plant Protection	Required good quality & affordable price of pheromone trap from NAU.
5.	Animal Science	Sorghum variety can be grow throughout the year as multi cut variety under irrigated conditions which is very useful for manage of green fodder requirement of livestock throughout year.
6.		Use of chaff cutter for cutting fodder It resulted into prevents wastage of fodder.
7.	Extension Education	Planting Napier grass in secondary and marginal land protected erosion of soil by heavy rainfall
8.		Vermicompost prevent soil degradation and enhance soil fertility status.

 # Technical Feedback for research/ extension activities

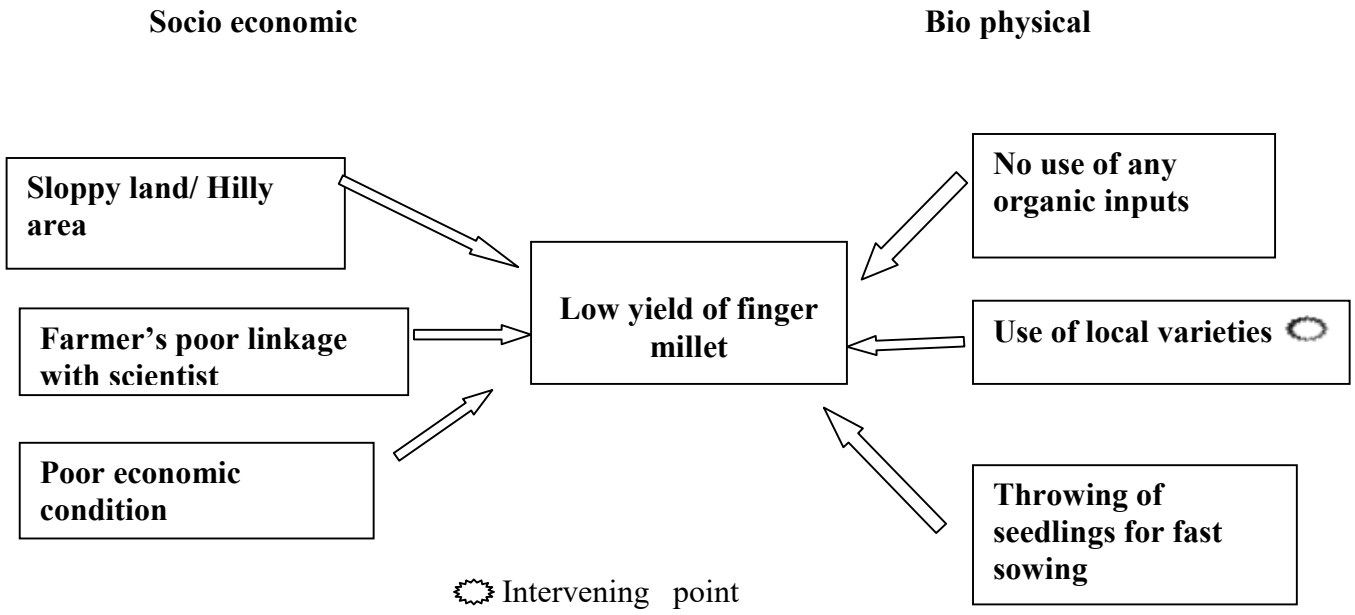
Sr. No.	Discipline	Feed Back
1.	Crop Production	Paddy variety GR 17 found more number of tillers than other improved and local varieties in Dang.
2.	Horticulture	Indian bean variety GNIB 22 gave more qualified and yield than katargam papadi.
3.	Plant Protection	Fruit fly trap in mango & vegetable showing good result.
4.	Animal Science	To develop area specific mineral mixture for dang district.
5.	Extension Education	Feeding chopped Napier alone or along with dry paddy grass have increased milk production in cattle
6.		Twin wheel hoe reduced the cost incurred for weeding as well enhanced the yield apart from reducing the drudgery of farm women in weeding operation.

C. On Farm Trials (OFTs):

<u>OFT-1:</u> Varietal assessment of finger millet

Finger millet is a main staple food for tribal farmers of Dang district and also it emerging as a important nutritive cereal crop due to its high nutrient content. In Dang district, finger millet is normally grown on poor and marginal soils with local varieties. Finger millet requires healthy seedlings of high yielding varieties. Most of the farmers use local varieties of finger millet which reduce the number of productive tillers, small seeded less finger and susceptible to pest and diseases, so ultimately its reduce the crop yield.

Problem: See the problem cause diagramme



1.	**OFT Title**	Varietal evaluation of finger millet
2.	**Prioritized problem**	Use of local varieties
3.	**Technology Assessed**	T_1 : Farmers Practices (Local varieties) T_2 : GNN 8 T_3 : CFMV 2 (Gira)
4.	**Variety**	As per treatment
5.	**Seed rate**	5 kg/ha

6.	**Season**	*Kharif* – 2022 to 2024
7.	**No. of trials**	10
8.	**Total area of OFT**	3.0 ha
9.	**Observation to be studied**	Yield (kg/ha)
10.	**Source of Technology**	Hill Millet Research Station, NAU, Waghai
11.	**Name of critical input**	Seed, Novel organic fertilizer, PSB and *Azotobacter*
12.	**Appro. Cost per OFT**	Rs. 500/-

Performance of the technology with performance indicators:

Result: 1st year

Treatment **Yield (q/ha)**	***Kharif*-2022 (q/ha)**		
	T_1	**T_2**	**T3**
Highest	11.00	12.50	14.50
Lowest	9.90	11.00	13.00
Average	10.50	11.95	13.66

Result: 2nd year

Treatment **Yield (q/ha)**	***Kharif*-2023 (q/ha)**		
	T_1	**T_2**	**T3**
Highest	10.20	12.10	14.60
Lowest	8.50	10.40	12.70
Average	9.26	11.39	13.68

Result: 3rd year

Treatment **Yield (q/ha)**	***Kharif*-2024 (q/ha)**		
	T_1	**T_2**	**T3**
Highest	9.40	11.00	13.50
Lowest	7.80	9.80	11.20
Average	8.51	10.48	12.54

Conclusion:

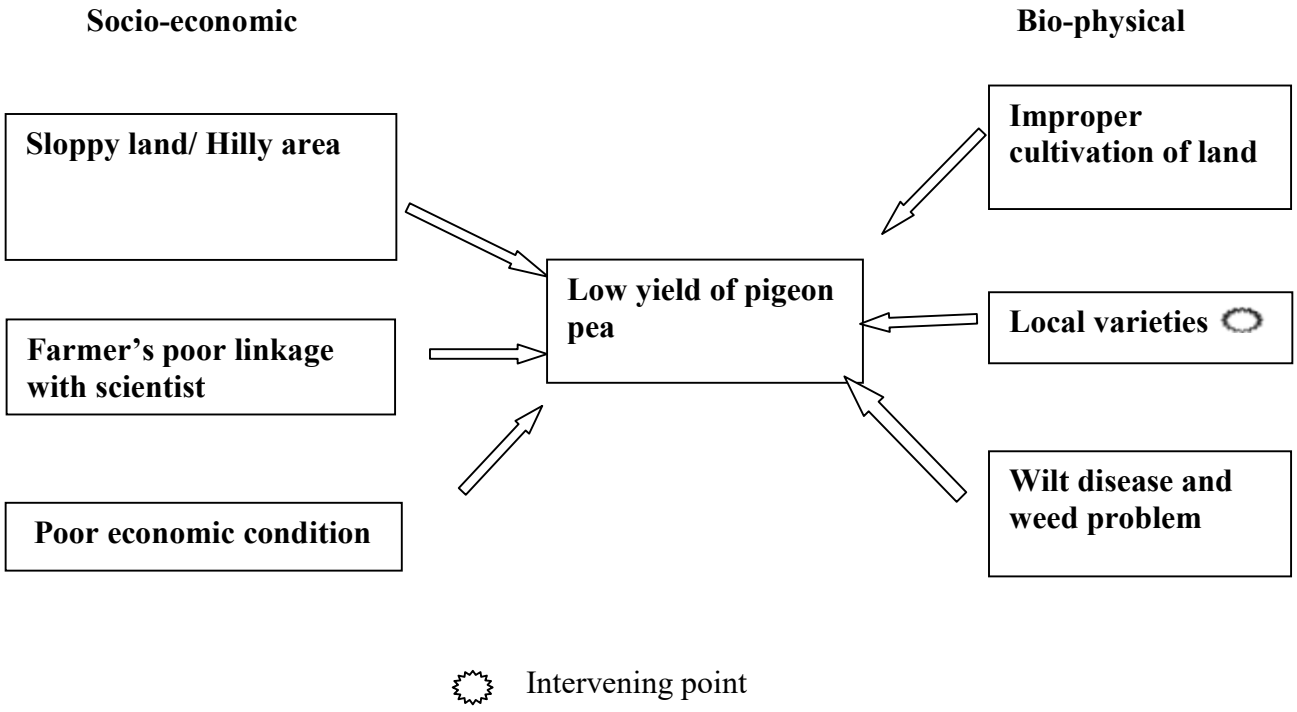
On the basis of the study carried out for three years it is summarized that T_3 – recorded the highest yield in comparison to T_1, However yield with T_3 was comparatively higher than T_1. So it is concluded that T_3: (CFMV 2 (Gira)) proved the best variety of Finger millet in tribal area of The Dangs district.

Farmer's feedback: 1. Farmers like to adopt new variety of finger millet.
2. This variety gives higher production than other Verities.

OFT-2: Varietal evaluation of chickpea

In dang district, productivity of chickpea is low because of improper cultivation of land and use of local varieties by farmers. Due to this severe wilt problem in local varieties which ultimately affect the growth and yield of chickpea. Chickpea required wilt resistance and high yielding variety for its better growth and development. Improper cultivation with local varieties reduce the plant population and ultimately it's reduce the crop yield.

Problem: See the problem cause diagramme



1.	**OFT Title**	Varietal evaluation of chickpea
2.	**Prioritized problem**	Use of local varieties
3.	**Technology Assessed**	T_1: Farmer variety (Local varieties) T_2: GJG 6
4.	**Variety**	As per treatment
5.	**Seed rate**	60 kg/ha
6.	**Season**	*Rabi*– 2023-24 to 2025-26
7.	**No. of trials**	10
8.	**Total area of OFT**	3.0 ha
9.	**Observation to be studied**	Yield (kg/ha)
10.	**Source of Technology**	Pulse Research Station, JAU, Junagadh
11.	**Name of critical input**	Seed, Novel organic liquid nutrients, *Rhizobium* and PSB
12.	**Appro. Cost per OFT**	Rs. 1500/-

Performance of the technology with performance indicators:

Result: 1st year (2023-24)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmer variety (Local Varieties)	10.71	2.68
T_2	GJG 6	12.81	3.71

Result: 2nd year (2024-25)

Result is awaited

<u>OFT-3:</u> Varietal assessment of Indian bean in the Dangs district

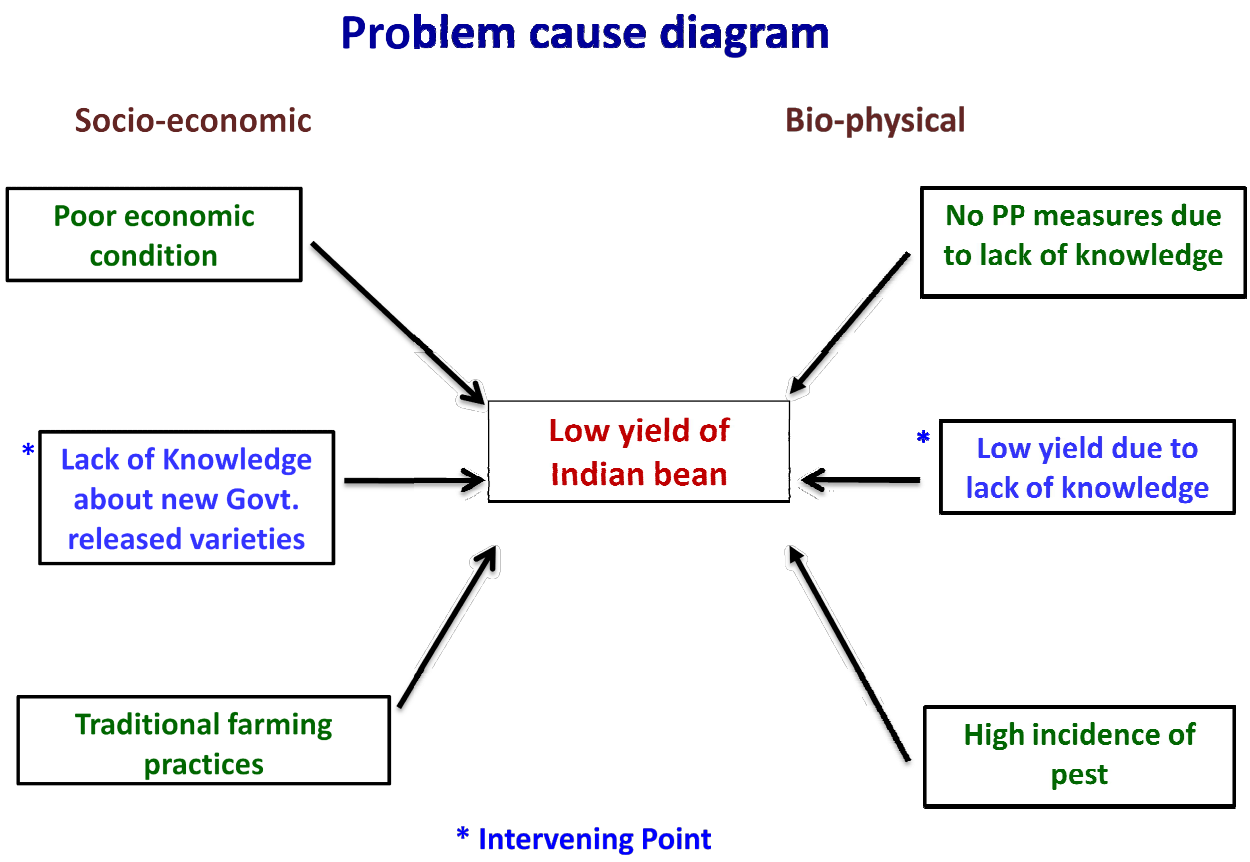
Background:

In the Dangs district, mostly Desi (Katargam) and other indeterminate variety of Indian bean is grown with low yield potential due to lack of knowledge about proper scientific cultivation and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.

GNIB 22 (>30.00 Q/ha) performed well under South Gujarat regions. This variety is Extra early, determinate,erect and dwarf plant type suitable as intercrop in Sugarcane, pigeon pea *etc.*

GNIB 22 (>40.00 Q/ha) performed well under South Gujarat regions. The variety is early, determinate and erect type with good market & cooking quality and yield, hence it is highly acceptable to the farmers and consumers. Its green pod fetches similar price to that of *surti papadi*.

OFT has been framed for comparing farmer adopted Desi (Katargam) variety to "GNIB-21" and "GNIB 22" variety.



1.	**OFT Title**	Varietal assessment of Indian bean in the Dang District
2.	**Prioritized problem**	Low yield of Farmers variety (due to lack of knowledge about proper scientific cultivation method and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.)
3.	**Technology Assessed**	T_1: Farmers practices (Katargam) T_2: GNIB 21 (2014) T_3: GNIB 22 (2017)
4.	**Variety**	Gujarat Navsari Indian Bean 21 and Gujarat Navsari Indian Bean 22
5.	**Seed rate**	25-30 kg/ha
6.	**Season**	*Rabi* – 2023-24
7.	**No. of trials**	06 (0.1 ha/treatment and 0.3 ha/farmer)
8.	**Total area of OFT**	1.8 ha
9.	**Observation to be studied**	Primary parameters : Yield of pods (kg/ha)
10.	**Source of Technology**	Navsari Agricultural University, Navsari (2016-17) Pusa research centre, NAU, NAvsari (2017)
11.	**Name of critical input**	Seeds, Novel organic liquid nutrients, PSB , *Rhizobium* and KMB (Novel & other Bio-fertilizer given for adoption of organic farming)

Performance of the technology with performance indicators:

Result: 1st year (2023-24)

Treatment	Technology Assessed	Yield (Q/ha)	BCR
T_1	Farmers practices (*Katargam*)	28.16	2.01
T_2	GNIB 21	31.66	2.31
T_3	GNIB 22	33.33	2.42

Result: 2nd year (2024-25

Result is awaited

OFT 4: Varietal assessment of Brinjal in the Dangs district

Background:

In the Dangs district, mostly Desi (Palanpuri) and other hybrid variety of Brinjal is grown with low yield potential due to lack of knowledge about proper scientific cultivation and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.

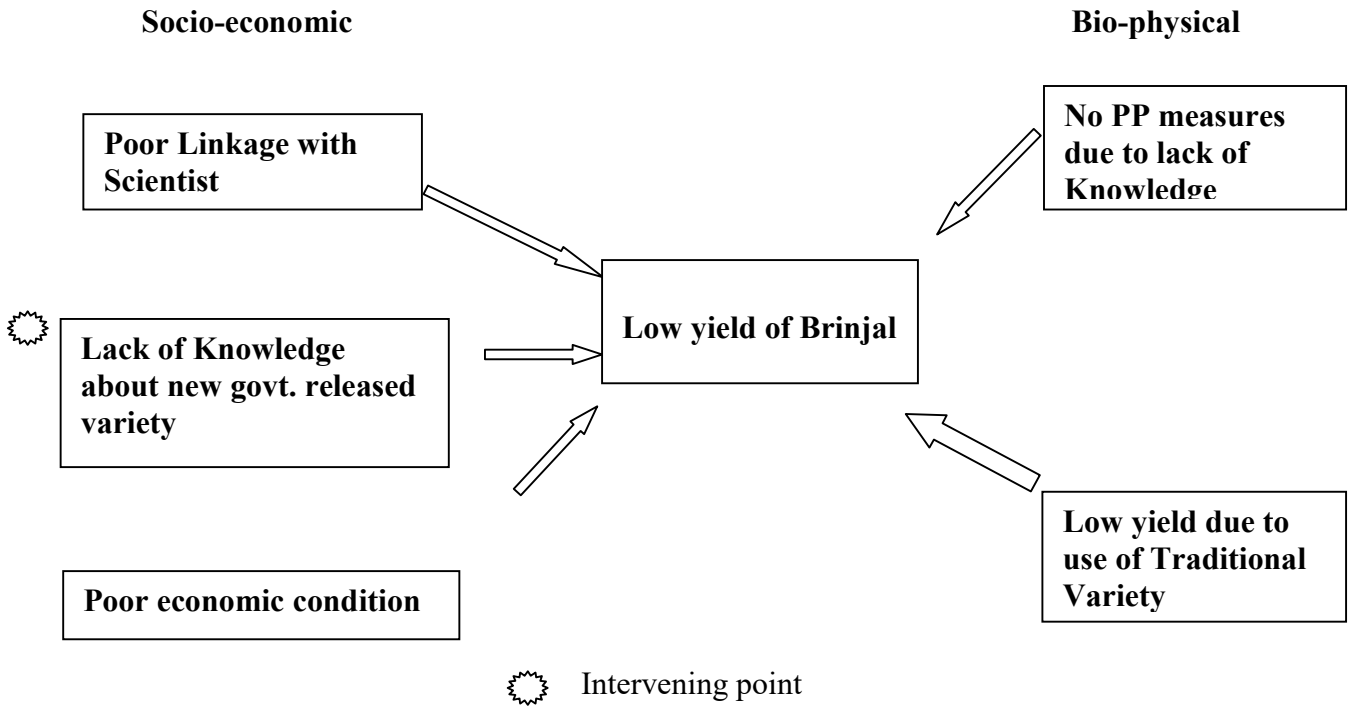
Gujarat Navsari Round Brinjal1 (>380 Q/ha) performed well under South Gujarat regions. GNRB-1 is a high yielding, anthocyanin rich varietywhich is suitable for cultivation in Kharif and Rabi Season.Most importantfeature of proposed variety is, it has lesser incidence oflittle leaf disease, has less number of whitefly and jassid population per leaf compare to standard checks

OFT has been framed for comparing farmer adopted Desi (Palanpuri) variety Gujarat Navsari Round Brinjal 1 variety.

1.	**OFT Title**	Varietal assessment of Brijal in the Dang District
2.	**Prioritized problem**	Low yield of Farmers variety (due to lack of knowledge about proper scientific cultivation method and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.)
3.	**Technology Assessed**	T_1: Farmers practices (Palanpuri) T_2: GNRB 1
4.	**Variety**	Gujarat Navsari Round Brinjal 1
5..	**Seedling**	200 seedling (0.01 ha)
6.	**Spacing**	90 X 60 cm
6.	**Season**	*Rabi* – 2024-25
7.	**No. of trials**	06 (0.01 ha per treatment and 0.03 ha per farmer)
8.	**Total area of OFT**	0.18 ha
9.	**Observation to be studied**	Fruit yield (Q/ha)

10.	**Source of Technology**	Navsari Agricultural University, Navsari (2020) Anand Agricultural University, Anand (2013)
11.	**Name of critical input**	Seedlings, Novel organic liquid fertilizer, Azotobacter, PSBand KMB (Novel & other Bio-fertilizer given for adoption of organic farming)
12.	**Appro. Cost of OFT**	Rs. 7000/-

Problem: See the problem cause diagramme

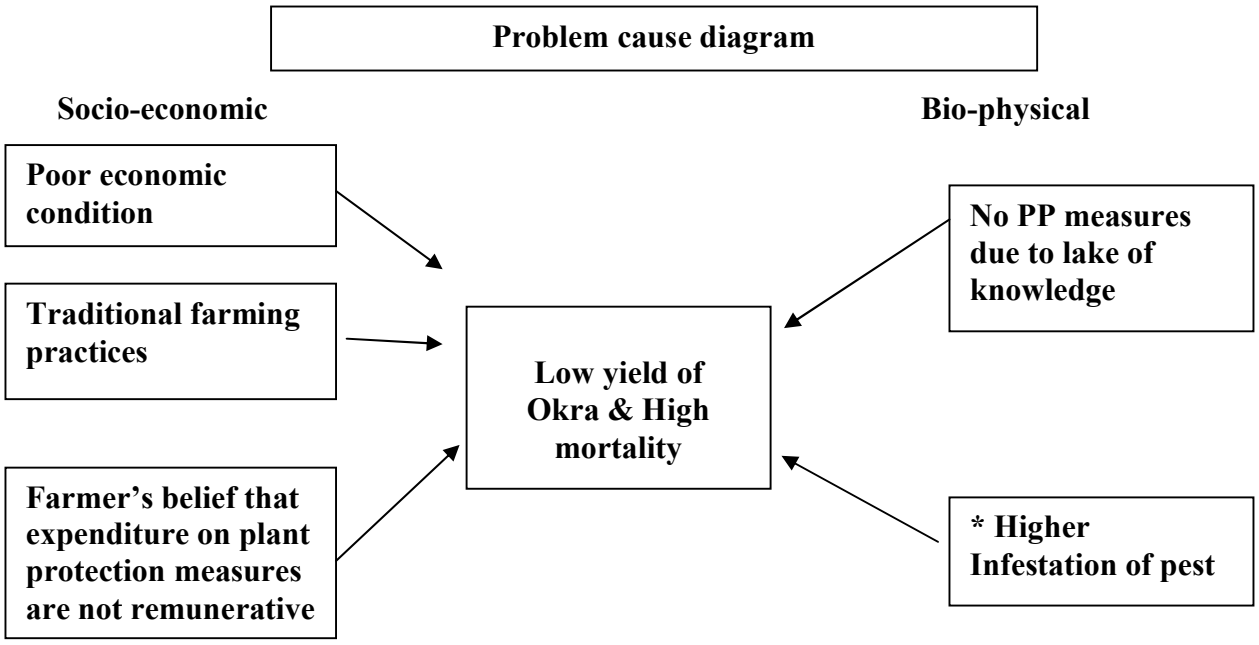


- **1st year (2024-25) Result is awaited**

OFT 5: Management of Fruit & Shoot borer of Okra

Background :

Okra (*Abelmoschus esculentus*) is a vegetable crop widely grown during *Kharif* / *Rabi* season in dang district. Day by day increasing the area of Okra in this district gives comaparatively lower yield. Large number of hybrid available in the market but cost of seeds as well as higher incidence of pest affect yield. Assessment of such public variety in Dang district for best performance for growth, yield and quality character for avoid these problem OFT is taken.



***Intervening point**

Treatments:	T_1: Farmers practice T_2: Installation of Pheromone trap T_3 : Spray Azadirachtin (Neem oil based) 1500 ppm
Season	*Rabi* – 2021-22
No. of villages	01
No. of farmers	06
Area/treatment/farmer	0.2 ha/treatment & 0.6 ha/farmer
Total area of OFT	3.6 ha
Observation to be recorded	Yield of Okra (kg/ha)
Estimated cost of inputs per trial/per farmer	Rs. 4000 (Approx.)

Result:

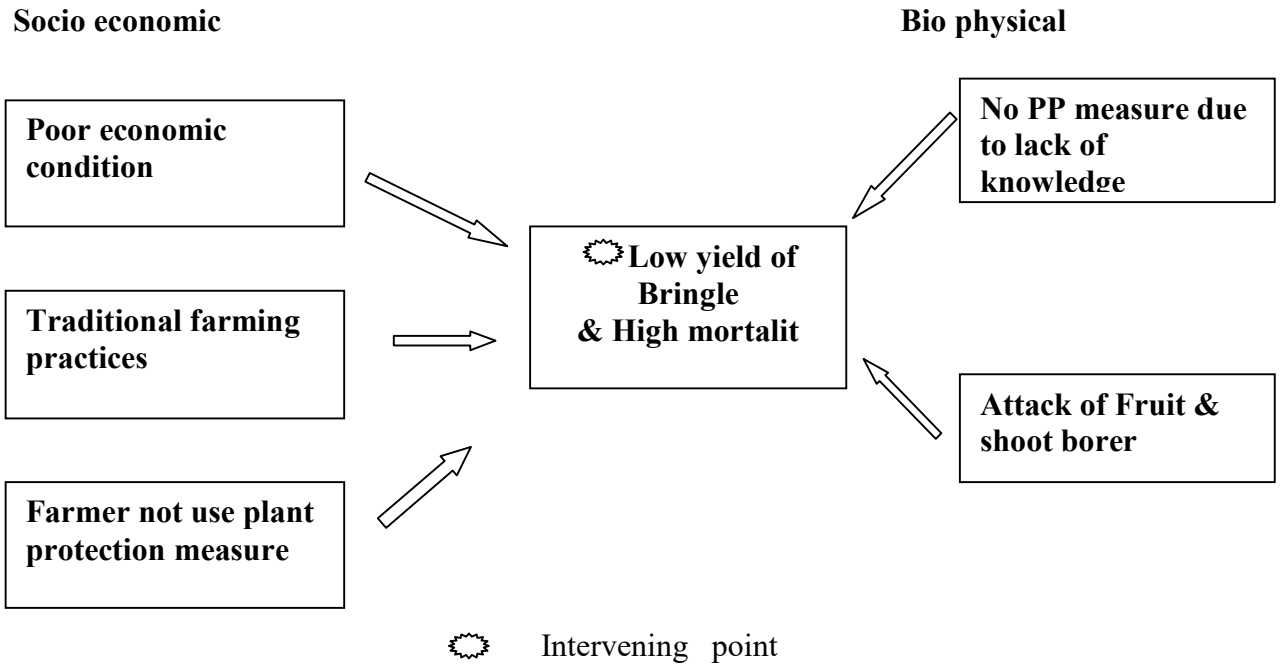
Sr. No.	Year	No of trials	Area (ha)	Yield(Q/ha)		
				T_1: Farmers practice	T_2: Installation of Pheromone trap	T_3: Spray Azadirachtin (Neem oil based) 1500 ppm
1.	2021-22	06	0.2	81.16	99.5	107.00
2.	2022-23	**Input not given due to the lack of grant.**				
3.	2023-24	06	02	131	143.6	140.6
4.	2024-25	**Result is awaited**				

<u>OFT-6:</u> Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal

Background:

Bringal is one of the most common vegetables grown in dang district. Immature fruits are used in curries and a variety of dishes are prepared out of brinjal fruits are moderate source of vitamins and minerals like phosphorus, calcium and iron and nutrition value. Bringal is infected by fruit & shoot borer. Occasional out brack of this disease causing losses to farmer.

Problem: See the problem cause diagramme



1.	**OFT Title**	Assessment of pheromone traps technology for the management of Fruit & shoot borer in Brinjal.
2.	**Prioritized problem**	Low yield of brinjal.
3.	**Technology Assessed**	T_1 : Farmers Practices T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand) T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)
4.	**Variety**	-
5.	**Season**	*Rabi*– 2023
6.	**No. of village**	01
7.	**No. of farmer**	06
8.	**Area/ treatment/farmer**	0.2 ha/treatment & 0.6 ha/farmer
9.	**Total area of OFT**	3.6 ha
10.	**Observation to be recorded**	Yield of brinjal (kg/ha)
11.	**Source of Technology**	AAU, Anand & TNAU,Tamil Nadu
12.	**Name of critical input**	Pheromone trap
13.	**Estimated cost of input per trial/per farmer**	Rs. 4000

Sr. No.	**Year**	**No of trials**	**Area (ha)**	**Yield(Q/ha)**		
				T_1: Farmers practice	**T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand)**	**T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)**
1.	2023-24	06	3.6	157.1	173.3	169.5
2.	2023-24	06	3.6	**Result is awaited**		

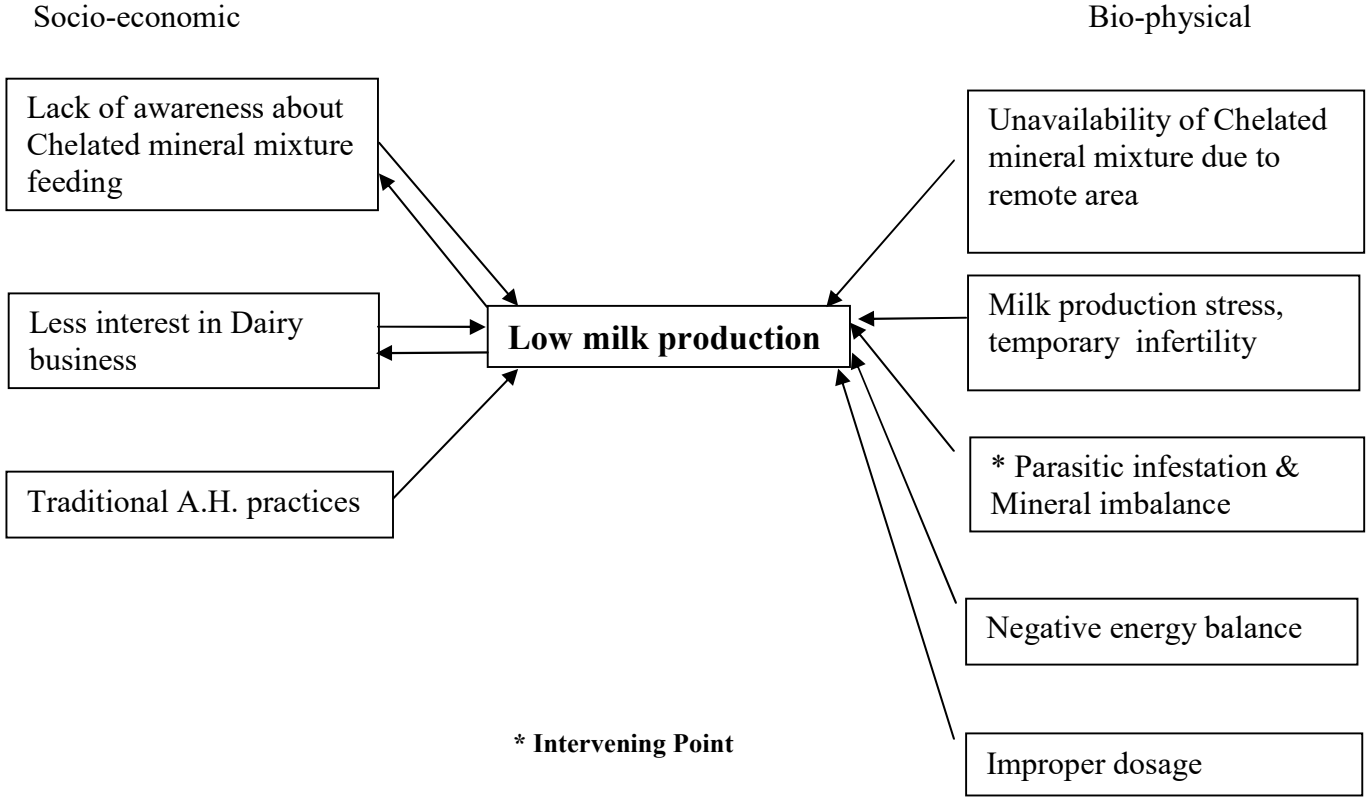
<u>OFT 7</u>: Use of Chelated minerals in the diet of crossbred HF cows

Background:

Parasitic load and mineral imbalance are known to directly affect the milk production to cattle. The dang district is a hilly area with heavy rainfall. Animal lining in such area became prone to parasitic infection due to ingestion of infected grasses around stagnant water while grazing. A few years ago, people were using local breeds & traditional husbandry practices, but now a day they are rearing crossbred cows. These valuable animals are highly productive but due to particular geographical location such animals become infected with parasites which directly affect the milk production.

Moreover, in spite of high rain, there is water scrcity during summer season due to particular geographical condition. So, green fodder is not available during summer, hence these animals undergo mineral imbalance & improper feeding. The socio- economic status of frames is not very good so, they could not feed their animals with mineral supplements. Such animals undergo negative energy balance due to malnutrition & high milk yield whatever the green grass these animals are grazing is surrounded by stagnant water & hence become infected by parasites. So, to overcome these problems of parasitic infestation & mineral imbalance we have identified following problems in proposed on farm testing programme.

Problem cause diagram



Problems :

- ✓ Low milk production due to mineral imbalance & parasitic infestation
- ✓ Negative energy balance
- ✓ Milk production stress

Source of technology: NDRI, karnal

Production system and thematic area: Feeding management

Treatments :

T_1- Farmer's practice – feeding of locally available feeds and fodders

T_2- T_1 + Chelated minerals @ 30 gm/cow/day for 120 days

T_3- T_1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bolus Fenbendazol @ 1 mg/ 5-7.5 kg body weight

Detail of OFT Programme:

- ✓ No. of Villages : 10
- ✓ No. of farmers: 30

Parameters to be evaluated/ recorded:

Result: 1st year

Parameter	T_1	T_2	T_3	%Increase
Milk Production (Lit./day)	3.69	4.53	5.43	8.34
Post partum estrus days	146	115	110	-

- **Result awaited**

OFT 8: Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle

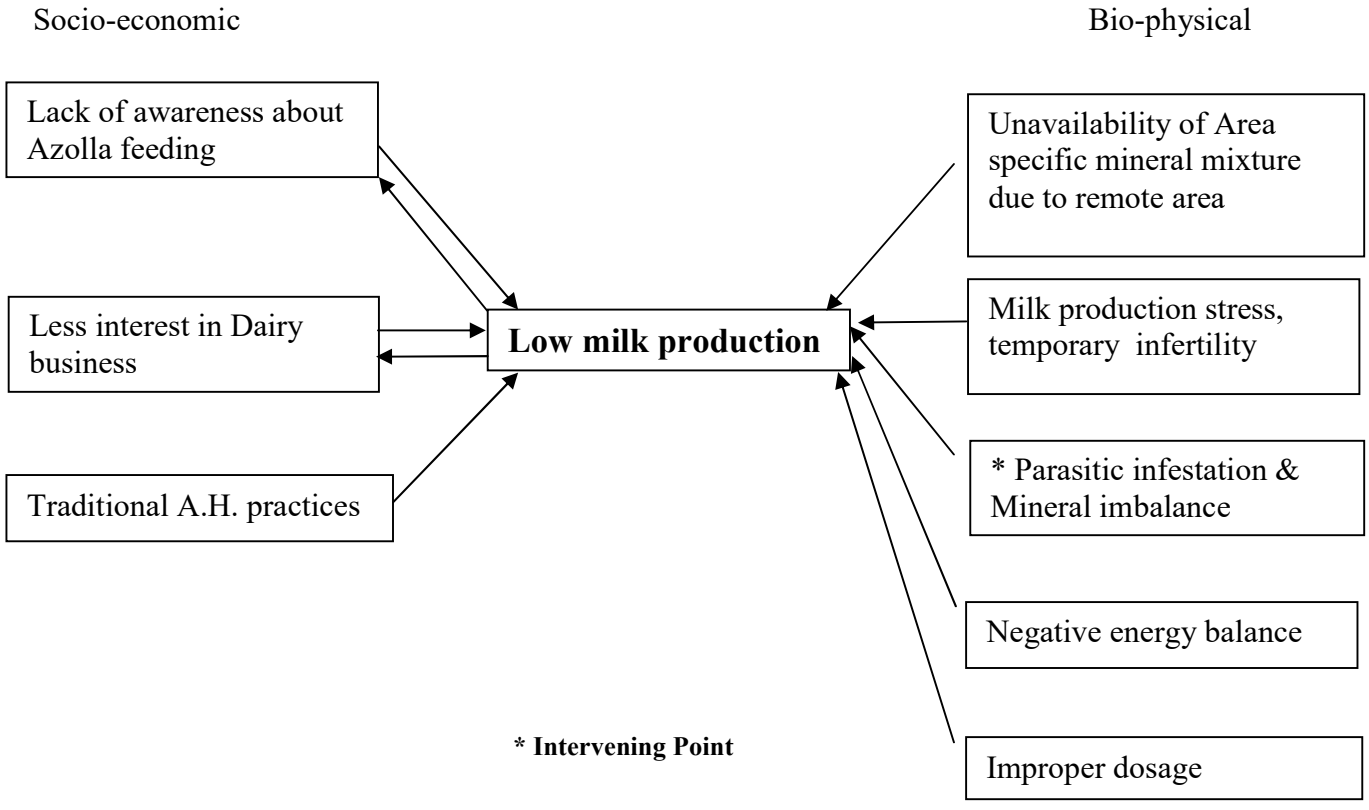
Background:

India is the largest producer of milk in the world and livestock production is the main component of Indian economy. It plays a major role in providing nutritional and livestock security for millions of rural households in India. Livestock productions suffer acute shortage of feed and fodder and supplementation of readymade commercial feed result in increase in cost of production.

The search for alternative to green fodder led to a wonderful plant Azolla, which holds the promise of providing a sustainable feed for livestock. Azolla is a floating fern and belongs to the family of Azollaceae. The common species of Azolla in India is *Azolla pinnata*.

Parasitic load and mineral imbalance are known to directly affect the milk production to cattle. The dang district is a hilly area with heavy rainfall. A few years ago, people were using local breeds & traditional husbandry practices, but now a days they are rearing crossbred cows. These valuable animals are highly productive but due to particular geographical location such animals become infected with parasites which directly affects the milk production. Moreover, in spite of high rain, there is water scarcity during summer season due to particular geographical condition. So, green fodder is not available during summer, hence these animals undergo mineral imbalance & improper feeding. Such animals undergo negative energy balance due to malnutrition & high milk yield. So, to overcome these problems of parasitic infestation & mineral imbalance we have identified following problems in proposed on farm testing.

Problem cause diagram



Problems :

- ✓ Low milk production due to malnutrition & parasitic infestation
- ✓ Negative energy balance
- ✓ Milk production stress

Source of technology: Bhutia *et al.* (2020)

Production system and thematic area: Feeding management

Treatments :

T_1 = Farmer's practice – feeding of locally available feeds and fodders

T_2 = T_1 + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days

Detail of OFT Programme:

- ✓ No. of Villages : 05
- ✓ No. of animals: 05

Parameters to be evaluated/ recorded: The effect of fresh Azolla on milk yield and fat % in adopted village of The Dangs District.

E. Extension Activities: (January 2024 to December 2024):

Sr. No.	Name of activities	No. of activities	No. of participants		
			Male	Female	Total
1.	Lecture Delivered	151	7060	6382	13442
2.	Field Visit	46	250	234	484
3.	FLD Visit	35	46	24	70
4.	OFT Visit	04	29	35	64
5.	Scientists Visit to Farmers Field	43	130	100	230
6.	Farmers Visit to KVK	14	1850	2196	4046
7.	Diagnostic Visit	63	261	156	417
8.	Exposure Visit	19	237	275	512
9.	Kisan Gosties	08	180	121	301
10.	Animal Camps	01	09	18	27
11.	Field Day	04	29	51	80
12.	Farmers Fair	02	951	803	1754
13.	Method Demonstrations	139	1832	1538	3370
14.	Farmers Scientist Interaction	49	305	147	452
15.	Farmers Meetings	02	16	02	18
16.	Film Show	60	1066	686	1752
17.	Exhibition	14	9087	7677	16764
18.	BRS students placement	04	25	09	34
19.	TV, Redio Talk	04	-	-	-
20.	Farm School	07	106	67	173
21.	Soil Health Campaigns	03	45	59	104
22.	SHG Conveners Meet	01	00	28	28
23.	Celebration of Important Days	14	713	615	1328
24.	Farmers Workshop, Seminar	02	157	57	214
25.	Mera Gav Mera Gourav	02	32	26	58
26.	Survey work	24	564	138	701
27.	Swachh Bharat Abhiyan	17	877	229	1106
28.	Video send to Farmers mobile	20	13589	0	13589
29.	Telephone Helpline	86	3690	0	3690
30.	PHC Diagnostic Services	35	65	6	71
	Total	**873**	**43201**	**21679**	**64879**

Sr. No.	Name of activities	Particular
1.	News coverage	29
2.	Success story	02
3.	Research Paper	01
4.	Research Abstracts	03
5.	Popular Article	43
6.	Books	01
7.	Technical Report	248

8.	Participation (Meeting, Seminar, Conferaence, Workshops, Trainings)	112
9.	Kisan SMS/Whatsapp SMS	82
10.	Telephone helpline	3690 (Framers)
11.	Other activities/duties: (Teaching, Examination-Supervision, Election, Krushi Mahotsav)	140
	Total	**4551**

F. Functional linkage with different Organization

Name of organization	Nature of linkage
Navsari Agricultural University	Provides technical experts for various disciplines and also provides practical training to the trainees
Agricultural Department and Dept. of Horticulture, Ahwa	Helps in organizing the service training for VLWs, Khedut shibir and conducting sponsored training programme by receiving the grant from DAO Ahwa
ATMA, Dangs	Technical support, Jointly organized farmers fair/Farmer school, training etc.
FTC, Dangs	Technical support, Jointly organized farmers fair
District Information Department, Ahwa.	Publish the activities carried out by KVK in mass media
Veterinary College, Kamdhenu University, Department of Ani. Husb., Ahwa., Vasudhara Co-op. ,Dairy, Waghai	Help in organizing programmes, animal health camp, Khedut shibir *etc*
District Water shed Development Agency, Ahwa	Training & technical advice
Lotus Co-op.Ltd., Sevadham Trust , Aghakhan NGO, Ahwa	Training & field demonstration& Technical advice
College of Agriculture, NAU, Waghai	Provide physical & technical support to KVK. we jointly organize big events.
Hill Millet Research Station, NAU, Waghai	Provide physical & technical support to KVK. we jointly organize big events.

G. Special programmes undertaken:

Sr. No	Title	Date	Village	Male	Female	Total
1.	Celebration of National Voters Day	25-01-2024	KVK, Waghai	15	0	15
2.	World Women's Day	07-03.-2024	Waghai	12	346	358
3.	World Honeybee Day	20-05-2024	Sonuniya and Gundiya	34	0	34
4.	World Environment Day	05-06-2024	KVK, Waghai	31	2	33
5.	International Yoga Day	21-06-2024	KVK, Waghai	22	56	78
6.	World Milk Day	01-06-2024	Bhurapani	22	3	25
7.	ICAR Foundation Day	16-07-2024	KVK, Waghai	34	15	49
8.	Celebration of Parthenium Awareness Week	16-08-2024	KVK, Waghai	4	28	32
9.	Celebration of Parthenium Awareness Week	17-08-2024	KVK, Waghai	49	4	53
10.	Parthenium Awareness Week	21-08-2024	KVK, WAGHAI	35	12	47
11.	Krishak Swarn Samriddhi Week	23 to 28 September 2024	KVK, Waghai & FTC Ahwa	394	122	516
12.	Technology Week	23 to 28 September 2024	KVK, Waghai & FTC Ahwa			
13.	Organization of Live viewing of 18th Installment release of PM KISAN at KVKs on 5th October 2024	05-10-2024	KVK, Waghai	21	25	46
14.	World Soil Day	05-12-2024	Barkhandhiya	40	2	42
	Total			**713**	**615**	**1328**

H. Programmes undertaken by the KVK, which have been financed by State Govt. /Central Govt. or other agencies:

Sr. No.	Name of Scheme	Budget Head	Grant Sanction (Rs.)	Expenditure up to 31st Dec-2024 (Rs.)	Available amount up to 31st Dec-2024 (Rs.)
1.	Strengthening of Testing of Universities Technologies through Farmers Field Adaptive Trial, Phase-II	12306-D	3,54,000	3,43,595	10,405
2.	TSP Megaseed Project	2068-B	40,000	0	40,000
3.	Microbial-based Agricultural Waste Management using Vermi-compostiong under Swachhta Action Plan (SAP)	2132-04	11,585	0	11,585
4.	Hiring of skill labour as computer programmer	18281-06	67,592	16,898	50,694
5.	Two day training / workshop on agriculture marketing 2024-25	18282-06	72,800	0	72,800
6.	KVKs Revolving Fund Waghai	2076/14/KRF	49,69,345	9,25,866	40,43,479
7.	Cluster Frontline Demonstrations on Pulses	2105-SLFA	1,80,121	1,80,121	0

I. Details of soil & water samples analyzed:

Sr. No.	Period	No. of water sample	No. of soil sample	SHC issued
1.	Jan-2024 to Dec-2024	0	0	**0**

J. Status of revolving fund in Rs. (for the last Five years):

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of next year
2020-21	71,68,778.00	8,62,872.00	67,72,066.00	72,59,609.00
2021-22	69,82,397.00	2,26,158.00	8,97,689.00	63,10,866.00
2022-23	60,03,961.00	5,33,110.00	13,80,397.00	46,23,564.00
2023-24	59,93,961.00	7,87,517.00	18,38,838.00	49,42,640.00
2024-25	49,69,345.00	6,42,615.00	10,67,916.00	-

K.1 Performance of instructional farm (crops) including seed production (2024)

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production		
				Variety	Type of Produce	Kg
Paddy	08/06/24	05/10/24	0.40	GNR 7	Truthful seed	1540
Paddy	12/06/24	25/09/24	0.50	GR 18	Truthful seed	1890
Paddy	15/06/24	27/09/24	0.40	GNR 8	Truthful seed	980
Paddy	15/06/24	20/09/24	0.40	GR 17	Truthful seed	1266
Gram	11/11/23	25/02/24	0.70	GJG 6	Certified seed	500
Black Gram	20/02/24	25/05/24	0.20	GJ 3	Truthful seed	115
Green gram	10/07/23	12/01//24	0.60	GM 6	Foundation seed	675
Pigeonpea	03/07/23	02/01//24	0.40	GT 105	Truthful seed	228
Mango	-	-	-	Kesar	-	Auction Rs. 125000/-
				Totapuri	-	
				Desi	-	
Seedlings (Brinjal)	04/04/24	15/05/24	-	-	Seedling	7000 Nos.
Mango grafting	09/05/24	-	-	Sonpari, Kesar	-	4290 Nos.
Vermi compost	10/02/24	-	-	-	-	2500

K-2. Sells of NAU Product by KVK, Waghai (Dang)

Sr. No.	Name of the Product	Quantity (Numbers)	Price (Rs.)
1	Fruit fly trap	350	19250
2	Fruit fly block	20	700
3	Novel	226	40125
4	Novel plus	04	1000
5	Biofertilizer	23	2300
Total Rupees			**63375**

K.3 District Agromet Unit (Damu) Project (Jan.-Dec., 2024)

Sr. no.	Activity	No. of activity	No. of farmers
1.	Farmer Awareness Programme for Agromet Advisory	07	480
2.	Dissemination of Agromet Advisory		
	Whatsapp groups:	07	1567
3.	Agromet Advisory Service (Regular basis on every Tuesday & Friday)	69 District level bulletin 207 Block level bulletin (English & Regional Language)	1567
4.	Newspaper coverage	-	-
5.	Special advisory issued during Unseasonal rainfall.	-	-

L. Publications:

I	News coverage/press released		
Sr. No	**Title of news coverage**	**Name of news paper and page no**	**Date of the press released**
1	*Krishi vigyank kendra, Waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai*	I News 7	06-01-2024
2	*Sajupada gam khate prakrutik krushini 2 divasiy talim sibir*	Sandesh News	06-01-2024
3	*Krishi vigyank kendra, Waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai*	Janadesh News	08-01-2024
4	*Krishi vigyank kendra, Waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai*	Zatpat News	08-01-2004
5	*krushi vigyan kendra Waghai dvara subir talukana mokhamal gam khate prakrutik talim yojai*	Gujaratraksha	16-01-2024
6	*Prakrutik khetima ochha kharche vadhu aavak melavava khedutone mahitgar karaya*	Divyabhaskar	17-01-2024
7	*Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai*	Valsaly News	13-07-2024
8	*Vasn topli ane any vas hastkal utpadan ange talim*	DD Gujarat	13-07-2024
9	*Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai*	Gujarat raksha	13-07-2024
10	*Aadivasi vistarna sakhi mandalna baheno mate krushi pedashona vechan angeni vyuharachana upar 3 divasiy talim yojai*	Public App	29-08-2024
11	*Dang Jilana Sakhi Mandaloni bahenone krushi pedashona vechan ange talim*	Sandesh	30-08-2024
12	*Dang jillana Waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu*	Youtub chanal	01-09-2024
13	*Dang jillana Waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu*	Samana News	01-09-2024
14	*Dang ma sakalit kruhi pranali vishay par talim apaai*	Samachar News	01-09-2024
15	*Dang ma sakalit kruhi pranali vishay par talim apaai*	Sandesh News	01-09-2024
16	*Dang jillana Waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par*	Janadesh News	01-09-2024

I	News coverage/press released		
Sr. No	**Title of news coverage**	**Name of news paper and page no**	**Date of the press released**
	talimnu aayojan karavama aavyu		
17	*Dang jillana sakhi madaloni bahenone krushi pedsashona vechan ange talim*	Samachar News	01-09-2024
18	*Waghai nagarna krushi vigyan kendra, Waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat*	Nayandarshan News	24-09-2024
19	*Waghai nagarna krushi vigyan kendra, Waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati*	Satya Day News	25-09-2024
20	*Krushi Vigyan kendra Waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati*	Gujaratraksha	25-09-2024
21	*Krushi Vigyan kendra Waghai khate"KRISHI SWARN SAMRUTHI SAPTAH" no aarambh karayo. 200 kheduto hajar rahya.*	You Tube	25-09-2024
22	*Krushi Vigyan kendra Waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati*	Tahelka News	25-09-2024
23	*Krushi Vigyan kendra Waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ane "TECHNOLOGY SAPTAH" ni ujavani karavama aavi*	Gujaratraksha	29-09-2024
24	*PROMOTION OF CULTIVATION OF MILLETS*	DD GIRNAR GUJARATI NEWS	13-11-2024
25	Waghai krushi university ma prakrutik kheti vishyak dang jilla kaxano mardarshak seminar	Satyaday and Sandesh	20/12/2024
26	*Waghai Krushi Universityma prakrutik kheti vishayak Dang jilla karyashalano margadarshan seminar*	Sandesh and Satyade news	20-12-2024
27	*Waghai Khate Krushi Utpadan na marketing ni vyuh Rachana par Parisvad*	DD Girnar	12-12-2024
28	*Navsari Khate Agami 21 thi 23 December 2024 daramiyan Bhavy Krushi Mela Nu Ayojan:* Dr. Z. P. Patel Honourable Vice Chancellor, NAU, Navsari Emphasis to Farmers and stall holders of Dangs Districs	DD Girnar	19-12-2024
29	Navsari Krushi University Khate Viksit Bharat Mate Vistaran Ane Navinyata ane Safal Rachana Upar National Seminar Yojano	Vasalye Samachar	28-12-2024

M. Workshop/ seminar /conference/meetings attended by KVK staff (2024):

Sr. No	Date	Title	Type	Place
1	15-01-2024	Trimasik Samiksha bethak	Meeting	Mokhamal
2	30-01-2024	Bi-monthly workshop	Workshop	ATIC, NAU, Navsari
3	30-01-2024	Meeting regarding Krishimela 2024	Meeting	ATIC, NAU, Navsari
4	03-01-2024	Convoction at Navsari	-	Navsari
5	09-01-2024	KVK Review Meeting	Meeting	KVK,Waghai
6	23-01-2024	Workshop and Inugral function of KVK, Surat	Workshop	KVK, Surat
7	03-01-2024	Convocation	Convocation	Navsari
8	15-01-2024	All KVK of South Gujarat quarterly meeting	Meeting	At Mokhamal, Subir
9	01-03/02/2024	Promotion of Millets, its Processing and Value Addition	Training	KVK, Waghai
10	28-02-2024	Macro-propagation in Banana	Training	KVK,Waghai
11	15-02-2024	Natural Farming Meeting	Meeting	Collector Office, Ahwa, Dang
12	01-03-2024	SAC Meeting	Meeting	KVK, Waghai
13	4 & 5/03/2024	20th NRM AGRESCO meeting	Meeting	NAU, Navsari
14	13/03/2024	KVK, Review Meeting	Meeting	KVK, Waghai
15	27/03/2024	DAMU Project Meeting	Meeting	Online
16	28/03/2024	Meeting of CWWG with JDA Suart	Meeting	Online
17	13 to 14/03/2024	Horticulture AGRESCO	Meeting	ACH, NAU, Navsari
18	28/03/2024	Crop weater watch group committee meeting	Meeting	Online

Sr. No	Date	Title	Type	Place
19	19 February 2024 to 10 March 2024	From genes to protein: Addressing molecular complexity of Agriculturally important traits in crops	Winter School	RLBCAU, Jhansi (UP)
20	13-03-2024	KVK Review meeting	Meeting	KVK, Waghai
21	12-03-2024	PG-RAG Meeting	Meeting	Dept. of Ext., Edu., NMCA, Navsari
22	13-03-2024	KVK Review Meeting	Meeting	KVK, NAU, Waghai
23	14-03-2024	Technological Backstoping workshop for technical staff of KVKs organized by Director of Extension Education, NAU, Navsari	Workshop	SSK Training Hall, NAU, Navsari
24	19-03-2024	Annual Action Plan and Natural Farming Workshop	Online Meeting	ATARI, Pune
25	19-03-2024	Annual Action Plan and Natural Farming Workshop	Online Meeting	DEE, NAU, Navsari
26	2/4/20224	KVK Review Meeting	Meeting	KVK, Waghai
27	19-04-2024	Online Review Meeting with ATARI, Pune	Meeting	Online
28	22-04-2024	Online Review Meeting with ATARI, Pune	Meeting	Online
29	30-04-2024	Online Review Meeting with ATARI, Pune	Meeting	Online
30	05-01-2024	Celebration of NAU, Foundation Day	Foundation Day	NAU, Navsari
31	15/05/2024	Use of Krishi Maper App for CFLD's	Meeting	Online
32	23/5/2024	KVK Review Meeting	Meeting	KVK, Waghai
33	06/05/2024 to 07/05/2024	Election Duty	Election	Ahwa
34	05-09-2024	University Level Pre-Annual Action Plan Meeting at SSK, NAU,Navsari	Meeting	Navsari
35	16/05/2024	A Day Long Consultation on the Science of Natural Farming	Workshop	YASHADHA, Pune
36	05-01-2024	Celebration of NAU Foundation Day	Foundation Day	Navsari

Sr. No	Date	Title	Type	Place
37	23-05-2024	KVK Review Meeting	Meeting	KVK, Waghai
38	05-01-2024	Celebration of NAU, Foundation Day	Foundation Day	NAU, Navsari
39	23/5/2024	KVK Review Meeting	Meeting	KVK, Waghai
40	05-01-2024	Celebration of NAU, Foundation day	Foundation Day	NAU, Navsari
41	09-05-2024	University Level Pre-Annual Action Plan Meeting at SSK, NAU,Navsari	Meeting	NAU, Navsari
42	10-05-2024	Mango Auction	Meeting	NAU, Navsari
43	15-05-2024	Audit	Meeting	KVK, Waghai
44	16-05-2024	Annual Action Plan	Workshop	AAU, Anand
45	17-05-2024	Annual Action Plan	Workshop	AAU, Annad
46	22-05-2024	Cultural Programme	Meeting	Waghai
47	8-9/06/2024	Atmanirbhar Bharat	Workshop	SDAU, Dantiwada
48	24 to 26-06-2024	*Mari Masala ane Vanikaran Paakoma Paak Sanrakshan*	Seminar	SDAU, Dantiwada
49	18-06-2024	ATMA Governing Boand Meeting	Meeting	District Panchayat Office, Ahwa, Dangs
50	11-07-2024	KVK Review Meeting	Meeting	KVK Waghai
51	20-07-2024	KVK review meeting	Meeting	KVK Waghai
52	12-07-2024	*Kel Pak Parisanvad ane Jaiv Vividhta Pradarshan*	Workshop	ACH, Navsari
53	02-07-2024	Brain Storming " Transformation of Agricultural Research in Plant Protection"	Meeting	Central Examination hall, Navsari
54	02-07-2024	Brainstorming on "Transformation of Agricultural Research in Plant Protection"	Workshop	Examination Hall, NAU, Navsari

Sr. No	Date	Title	Type	Place
55	03-04/07/2024	Bimonthly Workshop	Workshop	ATIC, NAU, Navsari
56	05-07-2024	Review meeting with DEE, NAU, Navsari	Meeting	ATIC, NAU, Navsari
57	11-07-2024	Technical Staff Meeting, KVK-Waghai (Dang)	Meeting	KVK - Office
58	07-08-2024	Training of Natural Farming	Training	Rajbhavan, gandhinagar
59	29 to31/08/2024	Use Integrated farming system for management of natural residues in tribal area	Training	KVK Waghai
60	13-08-2024	KVK Review Meeting	Meeting	KVK Waghai
61	07-08-2024	Natural Farming	Training	Rajbhawan, Gandhinagar
62	14-08-2024	KVK Review meeting and presentation of APR 2023 for KVKs' ZONE VIII Annual Zonal Workshop	Review Meeting	KVK, NAU, VYARA, DIST- TAPI
63	09-09-2024	KVK Review Meeting	Meeting	KVK Waghai
64	11-09-2024	KVK Review Meeting	Meeting	KVK Waghai
65	23/09/2024	Innovative Agricultural Practices for Sustainable Farming and Livelihood Enhancement (organize and participation)	Workshop	KVK,Waghai
66	23/09/2024	Participation in Flag Hosting for *Krishak Swrna Smrudhdhi Rath*	Workshop	KVK,Waghai
67	23/09/2024	Meeting for Better Implementation of Celebration of Technology Week in Presence of Respected DEE, NAU, Navsari	Meeting	KVK,Waghai
68	20-09-2024	1. Organize a Meeting to plan and prepare "Krishak Swarn Samriddhi Rath" and the Inauguration program on 23/09/2024 2. Organize a meeting for celebration of KVK's Technology Week.	Meeting for Planning	KVK,Waghai
69	23-09-2024	Organize a Meeting for the better implementation of Celebration of Technology Week in presence of Respected DEE, NAU, Navsari	Meeting	KVK,Waghai

Sr. No	Date	Title	Type	Place
70	22/10/2024	PGRFG crop production	Meeting	NAU, Navsari
71	15/10/2024	DMC meeting (HRT-3 yojna)	Meeting	Online
72	14-10-2024	ZREAC Meeting	Meeting	SSK, Navsari
73	18-10-2024	Shaping the future of Horticulture in south Gujarat	Meeting	Navsari
74	13/11/2024	KVK Review Meeting	Meeting	KVK, Waghai
75	19/11/2024	KVK Review Meeting	Meeting	KVK, Waghai
76	25-11-2024	KVK Review Meeting	Meeting	KVK, Waghai
77	30/11/2024	Meeting of Ravi krushi Mahotsav	Meeting	Collector Office, Ahwa
78	28/11/2024	Planning for Krushi Mela-2024	Meeting	KVK,Waghai
79	27-11-2024	Natural Farming Meeting	Meeting	Collector Office, Ahwa, Dangs
80	13-11-2024	KVK Review Meeting	Meeting	KVK, Waghai
81	22-11-2024	To attend the meeting of Agril. Fair-2024 for the planning	Meeting	DEE Office, NAU, Navsari
82	27-11-2024	To attend the meeting of Agril. Fair-2024 for the planning of farmers' participation & transportation expenses, Stall Booking etc..	Meeting	SSK, HALL, NAU, NAVSARI
83	28-11-2024	Meeting for farmers' participation and stall booking in Agril. Fair to be held on 21-23/12/2024, at NAU, Navsari	Meeting	KVK, Waghai
84	26/12/2024	Meeting of CWWG of Dang	Meeting	Online
85	04-12-2024	Orientation Training Programme for Krishi Mahotsav-2024	Training	Virtual Class Room, NAU,navsari
86	10/12/24 to 11/12/24	Agriculture Marketing Strategies for Agricultural Products of The Dang District by KVK and NIAM	workshop	kvk,Waghai
87	10-12-2024	Krushi Mela Meeting	Meeting	VC Seminar hall, Navsari

Sr. No	Date	Title	Type	Place
88	05-12-2024	KVK Review Meeting	Meeting	KVK, Waghai
89	09-12-2024	KVK Review Meeting	Meeting	KVK, Waghai
90	12-12-2024	KVK Review Meeting	Meeting	KVK, Waghai
91	04-12-2024	Orientation Programme for State Krishi Mela	Orientation Programme	NAU, Navsari
92	10 & 11-12-2024	Agricultural Marketing Strategies for Agriculture Products of The Dangs District	Workshop	KVK, NAU, Waghai, Dangs
93	27-28 December 2024	National Seminar 2024 on "Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development	National Seminar 2024	NAU, Navsari
94	04-12-2024	Review Meeting for work of of Agril. Fair-2024 & Orientation for Krishi Mahotsav - 2024	Meeting	SSK Hall, NAU, Navsari
95	05-12-2024	Scientist's Meeting for Preparation of Agril. Fair	Meeting	KVK, Waghai
96	09-12-2024	To receive the ICAR Scientist for visit of KVK, Waghai	Monitoring KVK by ICAR Scientist	KVK, Waghai
97	09-12-2024	Meeting with all Scientists of KVK for Two Days workshop of NIAM and prearation of Visit of ICAR Scientist	Preplan Meeting	KVK, Waghai
98	10-12-2024	Meeting of all Scientists with ICAR Scientist Dr. Manoj Pandit Brahmane	Technical Meeting	KVK, Waghai
99	10-12-2024	To attend the meeting of Agril. Fair-2024 for the planning	Meeting under the Chair of Res. DEE Sir	DEE Office, NAU, Navsari
100	10-12-2024	Deliver Inaugural Speech in Two Days Workshop on Marketing Strategies	Inaugural Meeting	KVK, Waghai
101	11-12-2024	KVK Review Meeting, Agril. Fair, Stall Booking, Participation of Farmers of Dang District	Meeting	KVK, Waghai
102	12-12-2024	Meeting of all scientists of KVK for vote of thanks for grand success of two days workshop sponsored by NIAM, Jodhpur	Meeting	KVK, Waghai

Sr. No	Date	Title	Type	Place
103	12-12-2024	Agril. Fair-2024 for the planning of farmers' participation & Transportation expenses, Stall Booking etc..	Meeting	KVK, Waghai
104	12-12-2024	Deliver Velidictory Speech in Two Days Workshop on Marketing Strategies	Velidictory Meeting	-
105	16-12-2024	Review Meeting for work of Agril. Fair-2024 for the planning of farmers' participation & Transportation expenses, Parking directions, Stall Bookings etc.	Meeting	SSK, HALL, NAU, NAVSARI
106	17-012-2024	Attended PGRAG meeting of Plant Protection Group for presentation of PG Research program of my M. Sc. (Agri.) student Ms. Avani Hirapara	PGRAG Meeting	Department of Entomology, NMCA, Navsari
107	19-12-2024	Distribution of Invitation Cards of Agril. Fair to Public officials and Government Officers, Representative/Leaders of NGOs working in the Dang district	-	-
108	21 to 23-12-2024	Participation in Agril. Fair, Guided visitor farmers and other stake holders. Meet various company personnel for future use. Strengthen knowledge about new technology, built relationship with many stake holders to be useful for tribal farmers and selling of organic agril. produces of the Dang district.	-	-

N. Administration and staff position as on 31-12-2024:

Sr. No.	Sanctioned post	Name of the incumbent	Discipline	Pay Scale (Rs.)	Grade Pay	Date of Joining	Please attach recent photograh
1.	Senior Scientist & Head	Dr. L. V. Ghetiya	--	131400-217100	--	15.06.2024	
2.	Scientist(1)	Dr. J. B. Dobariya	Extension Education	57700-182400	--	20.08.2015	
3.	Scientist(2)	Dr. P. P. Javiya	Crop Production	57700-182400	--	27-08-2019	
4.	Scientist(3)	Mr. H. A. Prajapati	Horticulture	57700-182400	--	13.02.2017	
5.	Scientist(4)	Dr. S. A. Patel	Animal Science	57700-182400	--	27-08-2019	
6.	Scientist(5)	Mr. B. M. Vahunia	Plant Protection	57700-182400	--	28-08-2019	
7.	Scientist(6)	Vacant	Home Science	57700-182400	-	-	-
8.	Farm Manager	Mr. R. S. Patel	-	39900-126600	-	08-03-2019	

Sr. No.	Sanctioned post	Name of the incumbent	Discipline	Pay Scale (Rs.)	Grade Pay	Date of Joining	Please attach recent photograh
9.	Computer Programmer	Vacant	-	39900-126600	-	Contractual Services is taken	-
10.	Programme Assistant	Mr. K. V. Patel	-	39900-126600	-	24-9-2015	
11.	Accountant / superintendent	Mr. J. R. Padhiyar	-	39900-126600	-	01/04/2022	
12.	Stenographer	Vacant	-	5200-20200	-	Contractual Services is taken	-
13.	Driver 1	Vacant	-	5200-20200	-	Contractual Services is taken	-
14.	Driver 1	Vacant	-	5200-20200	-	Contractual Services is taken	-
15.	Supporting staff 1	Vacant	-	4440-7440	-	Contractual Services is taken	-
16.	Supporting staff 2	Mr. D. N. Parmar	-	14800-47100	-	01.08.2011	

M. Success farmers for the extension activities

Sr. No.	Name	Title	Addres	Mobile No.
1.	Shri Maganbhai Kalubhai Gayakvad	Adoption of IARI new variety for higher production and profit from paddy cultivation	Chichond	-
2.	Shri Shakharambhai Punyabhai Palwa	*Deshi Dangarni Prakrutik Kheti*	Kotaba	9426161373

O. Award received by scientist & farmers during the year.

Sr. No.	Name	Award name	Given by	Date
1.	Dr. J. B. Dobariya	Best works for farming community	Distric administration Dangs, Award (R.M.Damor, DDO, Ahwa, Dangs and B.B.Chaudhari, Collector & Distric Magistrate, Ahwa, Dangs	26-01-2024
2.	Shri Chandrasing Mandabha chhaganiya	Best Farmers Award	Plant Protection Association of Gujarat	25-06-2024
3.	Shri Shakharambhai P. Palwa (Progresive Farmer)	Best Innovative Farmers Award for the Year 2022-23	Society of Extension Education, Gujarat & Navsari Agricultural University, Navsari	27-28 December 2024

24.3. Budget information 2024 (B.H.: 2704-06) (Rs.)

Sr. No.	Particulars	Sanctioned (Rs.)	Expenditure (Rs.)
1.1	**Recurring Contingencies**		
I	**Pay & Allowances**	**1,10,00,000/-**	**98,65,471/-**
II	**Traveling allowances**		
III	**Contingencies**	**19,00,000/-**	**12,51,570/-**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance		
B	POL, repair of vehicles, tractor and equipments		
C	Meals/refreshment for trainees		
D	Training material		
E	Frontline demonstration except oilseeds and pulses		
F	On farm testing		
G	Training of extension functionaries		
H	Maintenance of buildings		
I	Establishment of Soil, Plant & Water Testing Laboratory		
J	Library		
	Total Recurring	**1,29,00,000/-**	**1,11,17,041/-**
1.2	**Non-Recurring Contingencies**		
I	**Works**	-	-
II	**Equipments including SWTL & Furniture**	-	-
III	**Vehicle** (Four wheeler/Two wheeler, please specify),	-	-
IV	**Library**	-	-
	Total Non Recurring	-	-
1.3	**TSP(Farm Development)**	-	-
1.4	**GRAND TOTAL (1.1+1.2+1.3)**	**1,29,00,000/-**	**1,11,17,041/-**

ANNUAL ACTION PLAN –2025

24.4. Operational villages:

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ahwa Subir Waghai	Ahwa	Sonuniya Bhurapani Bhapkhal	**Cereals:** Paddy, Finger millet, little millet **Pulses:** Gram, Black gram, Pigeon pea, Green gram & Sweet pea **Oilseeds:** Groundnut, Niger **Vegetables:** Okra, Bittergourd, Chilli **Fruit Crops:** Mango, Custard apple **Floriculture:** Marigold **Others:** Tuber crops & Sunhemp **Animal Husbandry**	:Use of traditional varieties : Poor quality of seed :Improper use of Natural farming components - Lack of awareness about plant protection measures :Scarcity of fodder :Repeat Breeding and Anoestrus :Less interest in dairy business	:Promoting Animal husbandry/horticultural crops :Use of recommended varieties :Promotion of scientific package of practices :Create awareness about plant protection measures :Scientific feeding management :Artificial Insemination Awareness about dairy enterprise : Natural Farming.
	Subir	Chikhali Pipalaidevi Chichpada			
	Waghai	Baj Barkhandhya Dagadpada Shivarimal			

24.4.1. Training Programme

i. On & off campus trainings:

Discipline	On Campus Trainings				Off Campus Trainings				GT
	I	II	III	IV	I	II	III	IV	
1. Crop Production	1	2	1	1	1	2	1	1	**10**
2. Horticulture	1	1	2	1	3	1	-	1	**10**
3. Plant Protection	1	-	2	2	3	-	1	1	**10**
4. Animal Science	1	1	2	-	2	1	1	-	**08**
5. Home Science	-	-	-	-	-	-	-	-	**00**
6. Extension Education	2	-	1	1	-	-	1	3	**08**
Total	**06**	**04**	**08**	**05**	**09**	**04**	**04**	**06**	**46**

Title of the training programme (On Campus)

Sr. No.	Title of the training programme	Duration in days	Number of Participants		
			M	F	T
Crop Production					
1.	Sowing methods of black gram	01	10	15	25
2.	Natural farming of paddy	01	10	15	25
3.	Integrated weed management in *Kharif* crops	04	10	15	25
4.	Intercropping in pigenpea	01	10	15	25
5.	Cultivation practices of sunhamp	01	10	15	25
Horticulture					
6.	Care and management of Mango grafts	01	15	10	25
7.	Scientific cultivation of Indian bean	01	15	10	25
8.	Scientific cultivation of Okra	01	15	10	25
9.	Scientific mango cultivation	01	15	10	25
10.	Scientific cultivation of Elephant foot yam	01	15	10	25
Animal Science					
11.	Nutritional management of Livestock	01	15	10	25
12.	Importance of artificial insemination	01	15	10	25
13.	Care & Management of milch animal during summer season	01	15	10	25
14.	Calf rearing	01	15	10	25
Home Science :					
-	-	-	-	-	-
Plant Protection					
15.	Oyster mushroom cultivation	01	13	12	25
16.	Disease management in Gram	01	13	12	25
17.	Disease & Pest management in Mango	01	13	12	25
18.	Disease management in Paddy	01	13	12	25
19.	Disease management in Natural Farming	01	13	12	25
Extension Education					
20.	Challenges and opportunities of Natural Farming	04	15	10	25
21.	Standards and Certification of Natural Farming	01	15	10	25
22.	Management of Natural Farming ecosystem	01	15	10	25
23.	Integrated farming system scope and its relevance of Natural Farming	01	15	10	25

Title of the training programme (Off Campus)

Sr. No.	Title of the training programme	Duration in days	Number of Participants		
			M	F	T
Crop Production					
1.	Importance of bijamrut in natural farming	04	15	15	30
2.	Method of transplanting of finger millet	01	15	15	30
3.	Natural Farming of gram	01	15	15	30
4.	Importance of mulching in natural farmnig	01	15	15	30
5.	Method of preparation of vermicompost	01	15	15	30
Horticulture					
6.	Natural farming in horticultural crop	01	15	15	30
7.	Importance and preparation of Jeevamrit	01	15	15	30
8.	Importance of mixed cropping system in natural farming	01	15	15	30
9.	Natural farming in Pulse crops	01	15	15	30
10.	Mulching- Important practices for natural farming	01	15	15	30
Animal Science					
11.	Health care & Disease management in Livestock	01	15	15	30
12.	Backyard poultry farming	01	15	15	30
13.	Importance of Vaccination	01	15	15	30
14.	Importance of Mineral mixture in Cattle	01	15	15	30
Home Science					
-	-	-	-	-	
Plant Protection					
15.	Disease management in Bittergourd	01	15	15	30
16.	Pest management in Sorghum	01	15	15	30
17.	Preparation of *Agniastra* & *Nimastra*	01	15	15	30
18.	Use of bioagent & botanicals	01	15	15	30
19.	Bee-keeping	01	15	15	30
Extension Education					
20.	Natural way to manage human health	01	15	15	30
21.	Micro nutrient management in Natural Farming system	01	15	15	30
22.	Natural ways to manage the weeds	01	15	15	30
23.	A natural way of farming in Agroforestry system	01	15	15	30

ii. Sponsored trainings:

Discipline	Title	No. of courses	Sponsoring Agency
Crop production	Natural Farming of Field crop	04	NGOs, ATMA, FTC, DWDU, NYC, etc
Horticulture	Natural Farming of Horticultural crops	04	
Plant protection	Mushroom cultivation	04	
Animal Science	Dairy farming & Animal health	04	
Extension Education	Integrated farming system by use of Natural material	04	
Total		**20**	

iii. Vocational trainings:

Discipline	Identified Thrust Area	Training title	Month	Duration	SC/ST participants		
					M	F	T
Crop Production	Production of organic inputs	Production of Azolla	Feb -25	05	10	15	25
Horticulture	Skill training	Preparation of Cow based Product	Mar-25	05	15	10	25
Plant Protection	Skill training	Preparation of Neem based Pesticides	Sep-25	05	10	15	25
Animal Science	Income generation by imparting skill training	Scientific Goat Farming	Nov-25	04	15	10	25
Extension Education	Skill training	Preparation of Bamboo Products	Jul-25	07	15	10	25
	Production of organic inputs`	Preparation of Value Added Products from Small Millets	Aug-25	07	15	10	25

iv. Training Programmes for Panchayatiraj institutions/Office-bearers & members/ In-service trainings:

Approximatery Date	Clientele	Title of the training programme	Duration	Number of Participants		
				M	F	T
June-25	Line department, ATMA, Non-Governmental Organizations (NGOs), Agricultural Consultancies (ACs) , Supervisors, Members of SHGs & APMC etc.	Kitchen Garden	02	15	10	25
Aug-25		Pest & disease management in kitchen garden	02	15	10	25
Nov 25		Clean milk production for communities	02	15	10	25

24.4.2. Demonstrations (FLDs):

Sr. No.	Crop	Variety/ particulars	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers / Demon.
1.	Blackgram	GU 3	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 22500	Summer 2025	5	25
2.	Pigeonpea	GT 105	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 17500	*Kharif*, 2025	5	25
3.	Paddy	GR 18	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 21000	*Kharif*, 2025	6	30
4.	Finger millet	CFMV 2 (Gira)	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 10000	*Kharif*, 2025	4	20
5.	Little millet	GNV 4	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 10000	*Kharif*, 2025	4	20
6.	Gram	GJG 6	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 40500	*Rabi*, 2025-26	6	30
7.	Sunhamp	GNS 1 (Vijay)	New variety	Seeds, Novel, Bio fertilizer Rs. Rs. 21250	*Rabi*, 2025-26	10	25
8.	Mango	Sonpari	New variety	Graft, NOLF & Bio-fertilizer Rs. 40000	*Kharif*-2025	4	40
9.	Mango	Kesar	New variety	Graft, NOLF & Bio-fertilizer Rs. 60000	*Kharif*-2025	10	100
10.	Elephant foot yam	Chandana	New variety	Rs. 6000	*Kharif*-2025	0.03	6
11.	Elephant foot yam	Swagata	New variety	Rs. 6000	*Kharif*-2025	0.03	6
12.	Indian bean	GNIB 22	New variety, Biofertilizer & Novel	Seeds, Novel, Bio fertilizer Rs. 40000	*Rabi*-2025	2.5	25
13.	Gram	Local	*Trichoderma*	*Trichoderma* Rs. 2500	*Rabi*-2025	5	25
14.	Paddy	Local	Pseudomonas	Pseudomonas Rs. 2500	*Kharif*-2025	8	25

Sr. No.	Crop	Variety/ particulars	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers / Demon.
15.	Mushroom	Mushroom Kit	-	Mushroom kit Rs. 25,000	*Rabi*-2025	-	50
16.	Mango	Local	Fruit Fly trap	Fruit fly trap, Rs. 3000	Summer 2025	5	25
				Total		**74.56 ha**	**477**

Details of FLD on Enterprises

a. Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds /ha. etc.	Critical inputs with cost (Rs.)	Performance parameters / indicators
Sorghum	GFS 5/ GFS 6/ GFS 7/CSV 21 F	20	5.0 ha	Seed Rs. 20000	Yield (Q/ha)
Livestock	Mineral mixture	30	30 Units	Mineral mixture Rs. 20000	Milk production (Lit)
Backyard poultry	RIR	20	20 unit	Birds 25000/-	Egg production
	Total	**70**	**5.0 ha & 50 unit**		

24.4.3. On Farm Testing:

Sr. No.	Discipline	Title of the OFT
1.	Crop production	**Varietal assessment of finger millet** T_1 : Farmers Practices (Local varieties) T_2 : GNN 8 T_3 : CFMV 2 (Gira)
2.		**Varietal assessment of chickpea** T_1: Farmer variety (Local Varieties) T_2: GJG 6
3.	Horticulture	**Varietal assessment of Indian bean in the Dangs district** T_1: Farmers practices (*Katargam Papadi*) T_2: GNIB 21 (2014) T_3: GNIB 22 (2017)
4.		**Varietal assessment of Brinjal in the Dangs district** T_1: Farmers practices (Palanpuri) T_2: GAOB 1 (2013) T_3: GNRB 1(2020)

Sr. No.	Discipline	Title of the OFT
5.	Plant protection	**Management of Fruit & Shoot borer of Okra** T_1: Farmers practice T_2: Installation of Pheromone trap T_3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm
6.		**Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal** T_1 : Farmers Practices T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand) T_3 : remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)
7.	Anima science	**Use of Chelated minerals in the diet of crossbred HF cows** T_1: Farmer's practice – feeding of locally available feeds and fodders T_2: T_1 + Chelated minerals @ 30 gm/cow/day for 120 days T_3: T_1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 1 mg/ 5-7.5 kg body weight
8.		**Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle** T_1 : Farmer's practice – feeding of locally available feeds and fodders T_2 : T_1 + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days

24.4.4. Extension activities

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	60	50	110	5	1	6	65	51	116
Kisan Mela	1	500	400	900	15	2	17	515	402	917
Kisan Goshthi	6	100	80	180	4	1	5	104	81	185
Exhibition	3	500	300	800	5	3	8	505	303	808
Film Show	10	150	110	260	5	4	9	155	114	269
Farmers Seminars	1	50	40	90	2	1	3	52	41	93
Workshop	2	50	50	100	2	2	4	52	52	104
Group meetings	7	90	50	140	4	2	6	94	52	146
Lectures delivered as resource persons	30	1950	1300	3250	15	5	20	1965	1305	3270
Newspaper coverage	20	As per need								
Radio talks	As per need									
TV talks	As per need									
Popular articles	5	0	0	0	0	0	0	0	0	0
Extension literature	7	0	0	0	0	0	0	0	0	0
Advisory services	150	1050	800	1850	0	0	0	1050	800	1850
Scientific visit to farmers field	15	250	200	450	10	2	12	260	202	462
Farmers visit to	12	1000	500	1500	25	25	50	1000	500	1500

KVK										
Diagnostic visits	10	40	20	60	0	0	0	40	20	60
Exposure visits	7	100	150	250	4	1	5	104	151	255
Animal health Camp	1	10	5	15	1	0	1	10	5	15
Agri mobile clinic	As per need									
Soil test campaigns	1	10	10	20	1	0	1	10	10	20
Self Help Group Conveners meetings	As per need									
Celebration of special days (specify)	10	500	400	900	10	4	14	510	404	914
Krishi Mohotsav	1	350	250	600	12	2	14	362	252	614
Pre Kharif Kisan Mela	As per need									
Pre Rabi Kisan Mela	As per need									
Any Other (Specify)	As per need									
Total	**304**	**6800**	**4755**	**11555**	**121**	**55**	**176**	**6895**	**4785**	**11680**

24.4.6. Proposed plan of work for instructional farm

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals							
Paddy	0.5	GR 18	Seed	2.0 ton	40,000/-	90,000/-	*Kharif*
Paddy	0.6	GNR 7	Seed	3.0 ton	42,000/-	1,00,000/-	*Kharif*
Paddy	0.5	GR 17	Seed	2.5 ton	40,000/-	90,000/-	*Kharif*
Paddy	0.2	GNR 8	Seed	0.7 ton	10,000/-	25,000/-	*Kharif*
Pulses							
Pigeon pea	0.4	GT 105	Seed	0.4 ton	15,000/-	40,000/-	*Kharif*
Gram	1.6	GJG 6	Seed	1.5 ton	70,000/-	1,12,500/-	*Rabi*
Green Gram	0.6	GM 7	Seed	0.5 ton	20,000/-	40,000/-	Summer
Black gram	0.2	GU 3	Seed	0.2 ton	8,000/-	20,000/-	Summer
Fruits							
Mango	0.8	Kesar, Rajapuri, Dashehri, Desi,	Fruit	0.8 ton	25,000/- (Organic farming)	80,000/-	Open plantation, High

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
		Alphanso, Vasibadami, Sardar, Totapuri					Density plantation (5 x 5 mt) and Ultra High Density plantation (2.5 x 2.5)
Vegetables							
Nursery & Leafy Vegetables	1600 m^2	Tomato/ Chilli/ Other vegetables	Fruit/Other	0.2 ton	5,000/-	25,000/-	Net house
Others (specify)							
Napier grass	0.10	-	Setts	40,000 setts	5,000/-	50,000/-	-

24.4.7. Details of Budget Estimate (2025) based on proposed action plan

S. No.	Particulars	Proposed BE 2025 (Rs.)
1	**Recurring Contingencies**	
1.1	**Pay & Allowances**	**2,70,00,000/-**
1.2	**Traveling allowances (TA/DA)**	**5,00,000/-**
1.3	**Contingencies**	**35,00,000/-**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	7,00,000/-
B	POL, repair of vehicles, tractor and equipments	2,50,000/-
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	8,00,000/-
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1,70,000/-
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	6,00,000/-
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	5,00,000/-
G	Training of extension functionaries	2,00,000/-
H	Maintenance of buildings	5,00,000/-
I	Establishment of Soil, Plant & Water Testing Laboratory	-
J	Establishment of low cost green house	-
K	Library	80,000/-
	TOTAL Recurring Contingencies	**3,48,00,000.00/-**
2	**Non-Recurring Contingencies**	
2.1	**Works**	25,00,000/-
2.2	**Equipments including SWTL & Furniture**	4,00,000/-
2.3	**Vehicle (**Two-wheeler, please specify)	1,00,000/-
2.4	**Library** (Purchase of assets like books & journals)	55,000/-
	TOTAL Non-Recurring Contingencies (2.1+2.2+2.3)	**30,25,000/-**
3	**REVOLVING FUND**	**-**
	GRAND TOTAL	**3,78,55,000/-**

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